1. Write a program to print unit digit of a given number

#include<stdio.h>

int main()

{

    int a;

    printf("Enter any number=");

    scanf("%d",&a);

    a=a%10;

    printf("last digit is:%d",a);

    return 0;

}

2. Write a program to print a given number without its last digit.

#include<stdio.h>

int main()

{

    int a;

    printf("Enter any number:-");

    scanf("%d",&a);

    a=a/10;

    printf("Number without last digit is=%d",a);

    return 0;

}

3. Write a program to swap values of two int variables

#include<stdio.h>

int main()

{

    int a,b,t;

    printf("Enter first number for variable 'a'=");

    scanf("%d",&a);

    printf("Enter second number for variable 'b'=");

    scanf("%d",&b);

    t=a;

    a=b;

    b=t;

    printf("Value after swapping:-\n");

    printf("a=%d\n",a);

    printf("b=%d",b);

    return 0;

}

4. Write a program to swap values of two int variables without using a third variable.

#include<stdio.h>

int main()

{

    int a,b;

    printf("Enter first number=");

    scanf("%d",&a);

    printf("Enter second number=");

    scanf("%d",&b);

    printf("your entered number %d %d",b,a);

    return 0;

}

5. Write a program to input a three-digit number and display the sum of the digits.

#include<stdio.h>

int main()

{

    int n,r,s=0;

    printf("Enter any number=");

    scanf("%d",&n);

    while(n!=0)

    {

        r=n%10;

        s=s+r;

        n=n/10;

    }

    printf("sum of digits is %d",s);

    return 0;

}

6. Write a program which takes a character as an input and displays its ASCII code.

#include<stdio.h>

int main()

{

    char c;

    printf("Enter any character=");

    scanf("%c",&c);

    printf("ASCII code of %c is %d",c,c);

    return 0;

}

7. Write a program to find the position of first 1 in LSB

#include<stdio.h>

long int main()

{

    int n,c=0,r;

    printf("Enter any number=");

    scanf("%d",&n);

    while(n!=0)

    {

        r=n%10;

        n=n/10;

        c++;

        if(r==1)

        {

            printf("LSB for 1 is- %d",c);

            break;

        }

    }

    if(n==0)

    {

        printf("There is no any 1");

    }

    return 0;

}

8. Write a program to check whether the given number is even or odd using a bitwise operator.

#include<stdio.h>

int main()

{

    int a;

    printf("Enter any number=");

    scanf("%d",&a);

    if(a&1==1)

    {

        printf("even number");

    }

    else

    {

        printf("odd number");

    }

    return 0;

}

9. Write a program to print size of an int, a float, a char and a double type variable

#include <stdio.h>

int main()

{

    int a;

    float b;

    char c;

    printf("Enter a character: ");

    scanf("%c", &c);

    printf("Enter int type number: ");

    scanf("%d", &a);

    printf("Enter float type number: ");

    scanf("%f", &b);

    printf("Size of %d in bytes is %d\n", a, sizeof(a));

    printf("Size of %f in bytes is %d\n", b, sizeof(b));

    printf("Size of %c in bytes is %d\n", c, sizeof(c));

    return 0;

}

10. Write a program to make the last digit of a number stored in a variable as zero. (Example - if x=2345 then make it x=2340)

#include<stdio.h>

int main()

{

    int n;

    printf("Enter any number=");

    scanf("%d",&n);

    n=(n/10)\*10;

    printf("Resultant is:%d",n);

    return 0;

}

11. Write a program to input a number from the user and also input a digit. Append a digit in the number and print the resulting number. (Example - number=234 and digit=9 then the resulting number is 2349)

#include<stdio.h>

int main()

{

    int a,b;

    printf("Enter any number=");

    scanf("%d",&a);

    printf("Enter a digit which has to be added at unit digit of %d=",a);

    scanf("%d",&b);

    printf("Updated number is:-%d",(a\*10+b));

    return 0;

}

12. Assume price of 1 USD is INR 76.23. Write a program to take the amount in INR and convert it into USD.

#include<stdio.h>

int main()

{

    float inr,usd;

    printf("Enter INR:");

    scanf("%f",&inr);

    usd=inr/76.23;

    printf("USD OF INR %f is %f:",inr,usd);

    return 0;

}

13. Write a program to take a three-digit number from the user and rotate its digits by one position towards the right.

#include<stdio.h>

int main()

{

    int a,r,s=0,c=0;

    printf("Enter any three digit number=");

    scanf("%d",&a);

    while(a!=0)

    {

        r=a%10;

        s=s\*10+r;

        a=a/10;

        c++;

    }

    if(c==3)

        printf("Number after rotating:%d",s);

    else

        printf("Not a three digit number");

    return 0;

}